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May 19, 1993

FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

**VIA HAND DELIVERY**

Ms. Donna R. Searcy  
Secretary  
Federal Communications Commission  
1919 M Street, N.W.  
Room 222  
Washington, D.C. 20554

Re: Telesciences, Inc., Harris Corporation - Farinon  
Division, Digital Microwave Corporation Ex Parte  
Notice in ET Docket No. 92-9

Dear Ms. Searcy:

On behalf of Telesciences, Inc., Harris Corporation - Farinon Division, and Digital Microwave Corporation (the "Joint Commenters") and pursuant to the ex parte requirements of Sections 1.1202, 1.1203 and 1.1206(a), 47 C.F.R. §§ 1.1202, 1.1203 and 1.1206(a), we hereby advise the Commission that an ex parte presentation was made via telephone by the Joint Commenters on May 18, 1993, to the staff of the Office of Engineering and Technology in connection with the Further Notice of Proposed Rulemaking in ET Docket 92-9.

Specifically, in a telephone conversation with OET staff, the Joint Commenters further clarified and explained certain technical features of the Joint Commenters' proposed modifications to the channelization plan and rules proposed in the Commission's Further Notice. In that discussion, the Joint Commenters confirmed that their proposed channelization plan already represents a compromise plan to the extent that it will allow all existing vendors to continue providing equipment without disproportionate disadvantages or benefits to any one manufacturer. The Joint Commenters also explained that any plan by the Commission to adopt different channelization plans for the 4, 6, 10 and 11 GHz bands as a means to fashioning a compromise between the Alcatel-based proposal in the Commission's Notice and the proposed TIA Plan would be unworkable, adverse to users, and contrary to the public interest.

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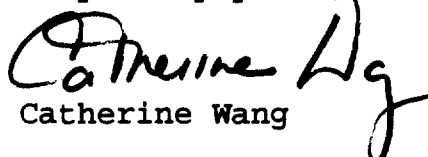
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Ms. Donna R. Searcy  
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Any questions regarding this matter should be directed to the undersigned.

Very truly yours,

  
Catherine Wang

cc: Dr. Tom Stanley  
Mr. Paul Marangoni  
Mr. David Siddall  
Mr. Rodney Small  
Andrew D. Lipman, Esq.  
Leonard R. Raish, Esq.

## EX-PARTE COMMENTS

Spectrum Utilized for Replacement of 2 GHz Radios							
Installed Base (Transmitters)	2 GHz Channels (MHz)	TIA Max. Plan		TIA Min. Plan		Alcatel Plan	
		Channel B/W (MHz)	Spectrum Used (GHz)	Channel B/W (MHz)	Spectrum Used (GHz)	Channel B/W (MHz)	Spectrum Used (GHz)
6,700	3.8	1.25	8.375	1.25	8.375	0.80	5.300
7,000	1.6	2.50	17.500	1.25	8.750	1.60	11.200
10,000	3.5	3.75	37.500	2.50	25.000	5.00	50.000
			63.375		42.125		66.500

50% of the .8 and 1.6 MHz users are not required to move because they are state and local government users.

Users have a choice on how to use the spectrum under the TIA plan.

Utilization	TIA	ALCATEL
2 DS1	1.25	0.8
4 DS1	1.25	1.6
4 DS1	2.5	
8 DS1	2.5	3.2
8 DS1	3.75	
12 DS1	3.75	5
12 DS1	5	

There is no way to use both plans.

It has already been demonstrated an overlay plan like Alcatel proposed at 10 GHz wastes spectrum, by producing fallow spectrum.

Spectrum splitting does not work either because one plan could have more free spectrum than the other plan. Everyone has to have an equal opportunity to use all the spectrum available.

A band split does not work either. A 1.6 channel and 3.75 channel plan would also produce fallow spectrum. One 3.75 channel would wipe out three 1.6 channels, letting 1.05 MHz lay fallow. Alcatel could still stack 1.6 channels to get 3.2 channels which would deplete 1.6 channels.

## EX-PARTE COMMENTS

Alcatel is not hurt by the TIA Plan. Alcatel has not stated in their comments that they cannot use the TIA Plan. Alcatel has not indicated any harm under the TIA Plan.

Alcatel fully participated in the TIA meetings, in fact chaired the committee, to be sure they could work under the TIA Plan

Alcatel said it lose under either plan. But under their plan they have a big win.

Alcatel says they are a US company but 4 of the 5 radios they are obsoleting (the DTR series of radios) are designed and manufactured in Milan, Italy. What other radios will be imported into the US?

Alcatel can always use the TIA channel plan without any modifications to their radios.

**THE TIA PLAN IS A COMPROMISE PLAN TO ACCOMMODATE ALL MANUFACTURERS AND USERS.**

		TIA PLAN	ALCATEL PLAN
Joint Commission		WIN	LOSE
ALCATEL		WIN	WIN
Less Spectrum		WIN	LOSE
Lowest Cost Solutions		WIN	LOSE
Best Performance		WIN	LOSE
Most Equipment Available		WIN	LOSE
Most Support Available		WIN	LOSE
Use of 2G+ modems		WIN	LOSE
Use existing gear		WIN	LOSE

### WHO WINS AND LOSES?

**ALL MANUFACTURERS WIN W/ THE TIA PLAN**

**THE FCC WINS UNDER THE TIA PLAN**

**PCS PROVIDERS WIN UNDER THE TIA PLAN**

**AND THE USERS ARE THE**

**BIGGEST WINNERS**

**UNDER THE TIA PLAN !!!**

**Everyone else loses if Alcatel wins.**